IBM Network Advisor V12.4 delivers enhancements to support new and updated Fabric Vision features

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At a glance

IBM(R) Network Advisor V12.4 is a feature release delivering the following enhancements throughout the software management platform:

- Extended support and applicability to Fabric OS (FOS) 7.4
- Support for Fabric Vision technology enhancements, including Configuration and Operational Monitoring Policy Automation Services Suite (COMPASS)
- New and enhanced dashboards, filters, fabric configuration policies and reporting

Overview

IBM Network Advisor simplifies storage network management by enabling organizations to proactively diagnose and troubleshoot issues with customizable, browser-accessible dashboards that present data from discovered devices, including advanced diagnostic information delivered through integration with Fabric Vision technology. Teams can navigate the user-friendly interface for details to rapidly identify, diagnose, and troubleshoot problems before operations are affected.

IBM Network Advisor V12.4 delivers the following enhancements when deploying FOS 7.4, or later:

- Predefined storage dashboard for consolidated views across Fibre Channel storage with dashboard playback for specific moments in time
- Network time, scope filters, network scope creation, and global search
- Call Home events dashboard widget and enhanced SAN FCIP reporting
- Support for Fabric Vision technology enhancements, including COMPASS

Key prerequisites

IBM Network Advisor V12.4 requires a management server with specific capabilities and one of the following 64-bit platforms:

- Microsoft™ Windows™ Server 2008 R2 Standard, Enterprise, and Datacenter
- Microsoft Windows Server 2012 and 2012 R2 Standard and Datacenter
- Microsoft Windows 8 and 8.1 Enterprise
- Red Hat Enterprise Linux™ Adv 6.4, 6.5, 6.6, and 7.0
- Oracle Enterprise Linux 6.4, 6.5, and 7.0

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- SUSE Linux Enterprise Server 11.3 and 12.0
- All the above operating systems are supported as Guest VMs on VMware ESXi 5.1, VMware ESXi 5.5, KVM (RedHat Enterprise Linux 6.4/6.5/6.6/7.0 Adv) and Microsoft Hyper-V (Hyper-V Server 2008 R2 SP1, Microsoft Windows Server 2012, and Microsoft Windows 2012 R2 Datacenter)

For more information and documentation regarding installation and planning for IBM Network Advisor V12.4, including server CPU and memory requirements, visit

http://www.ibm.com/systems/support/storage/san

Planned availability date

July 24, 2015

Description

IBM Network Advisor V12.4 delivers the following enhancements when deploying FOS 7.4, or later:

- Predefined storage dashboard for consolidated views across Fibre Channel storage
- Dashboard playback for specific moments in time, from 30 minutes to 30 days , available in the web client
- Network time and scope filters now available in the web client
- Global search across instances of IBM Network Advisor
- Call Home events dashboard widget
- Support for Fabric Vision technology enhancements, including COMPASS
- Network scopes can be created using zones configured in the fabric
- Enhanced SAN FCIP reporting
- Additional REST API services, including viewing MAPS policies, search, and event filtering

Although there are no IBM Network Advisor license changes, MAPS will now be enabled by default, and some monitoring features will be available in IBM Network Advisor without a Fabric Vision license. The following monitoring features will be supported:

- View policy
- View violations
- Policy Export
- Policy Compare

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

http://www.ibm.com/able/product_accessibility/index.html

Program number

Program number	VRM	Program name
5639-NAT	12.4.0	IBM Network Advisor

Software maintenance

Program number	Description
5639-NA2	IBM Network Advisor Per Install SW Maintenance No Charge Registration
5639-NA3	IBM Network Advisor Per Install SW Maintenance 1 Year After License
5639-NA4	IBM Network Advisor Per Install SW Maintenance 3 Year Registration
5639-NA5	IBM Network Advisor Per Install SW Maintenance 3 Year Renewal
5639-NA6	IBM Network Advisor Per Install SW Maintenance 3 Year After License

Product identification number

Program PID number	Maintenance 1 year PID number	Maintenance 3 year PID number
5639-NAT	5639-NA2 Reg/Ren	5639-NA4 3Yr Registration
	5639-NA3 1Yr AfL	5639-NA5 3Yr Renewal
		5639-NA6 3Yr After License

Offering Information

Product information is available via the Offering Information website

http://www.ibm.com/common/ssi

Publications

The following publications will be available for ordering by July 24, 2015. To order, use the Publications Center or contact your IBM representative.

Title	Order number
IBM Network Advisor SAN User Manual	SC27-5423-00
IBM Network Advisor Installation and Migration Guide	SC27-5422-00

The IBM Publications Center is located at

http://www.ibm.com/shop/publications/order

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

Technical information

Specified operating environment

Hardware requirements

System requirements and recommended configuration options vary depending on the size of the SAN fabrics being managed with IBM Network Advisor V12.4. Consult the user's manuals or contact IBM Support for details.

Server requirements

To install IBM Network Advisor V12.4, one of the following platforms is required:

- Microsoft Windows Server 2008 R2 (x86 64-bit) Standard, Datacenter, and Enterprise Edition
- Microsoft Windows Server 2012 Standard, Datacenter
- Microsoft Windows Server 2012 R2 Standard, Datacenter
- Microsoft Windows 8 Enterprise (x86 64-bit)
- Microsoft Windows 8.1 Enterprise (x86 64-bit)
- Red Hat Enterprise Linux 6.4 Adv (x86 64-bit)
- Red Hat Enterprise Linux 6.5 Adv (x86 64-bit)
- Red Hat Enterprise Linux 6.6 Adv (x86 64-bit)
- Red Hat Enterprise Linux 7.0 Adv (x86 64-bit)
- SUSE Linux Enterprise Server 11.3 (x86 64-bit)
- SUSE Linux Enterprise Server 12.0 (x86 64-bit)
- Oracle Enterprise Linux 6.4 (x86 64-bit)
- Oracle Enterprise Linux 6.5 (x86 64-bit)
- Oracle Enterprise Linux 7.0 (x86 64-bit)

Required FOS features

Some IBM Network Advisor features require specific FOS licensed features to be enabled.

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, release notes, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Software requirements

Supported client/server operating systems

Note: Below is the minimum required system physical memory for running IBM Network Advisor 12.4.0 (server plus one local client).

Pro-plus and Enterprise Editions (supported on 64-bit OS only):

- Small SAN fabric: 8 GB
- Any combination that includes a medium/large SAN fabric: 16 GB

Operating system (64-bit) / Architecture

- Microsoft Windows Server 2008 R2 Standard, Enterprise, and Datacenter
- Microsoft Windows Server 2012 and 2012 R2 Standard and Datacenter
- Microsoft Windows 8 and 8.1 Enterprise
- Red Hat Enterprise Linux Adv 6.4, 6.5, 6.6, and 7.0
- Oracle Enterprise Linux 6.4, 6.5, and 7.0
- SUSE Linux Enterprise Server 11.3 and 12.0

Note: All the above operating systems are supported as Guest VMs on VMware ESXi 5.1, VMware ESXi 5.5, KVM (RedHat Enterprise Linux 6.4/6.5/6.6/7.0 Adv) and Microsoft Hyper-V (Hyper-V Server 2008 R2 SP1, Microsoft Windows Server 2012, and Microsoft Windows 2012 R2 Datacenter).

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by IBM, such as an announcement letter.

Documentation and other program content may be supplied only in the English language.

Limitations

For additional information, refer to **Usage restrictions** in the Terms and conditions section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

http://www.ibm.com/software/sla/sladb.nsf

Planning information

IBM Network Advisor upgrade features

IBM provides IT organizations with functional continuity when upgrading from IBM Network Advisor V12.3 to IBM Network Advisor V12.4.

Refer to the Description section for details and requirements.

Customer responsibilities

Installation of the IBM Network Advisor V12.4 on a customer-supplied server is the responsibility of the customer. In addition to provisions of the hardware requirements and software requirements stated in this announcement, the *IBM Network Advisor SAN User Manual*SC27-5423-00 and *IBM Network Advisor Installation and Migration Guide*SC27-5422-00 should be reviewed during installation.

Users migrating to IBM Network Advisor V12.4 from a previous instance IBM Network Advisor software installations need to verify that the correct version is installed prior to migrating to IBM Network Advisor V12.4. For information about upgrading that meets migration requirements, refer to the *IBM Network Advisor Installation and Migration Guide*SC27-5422-00. FOS versions may also need to be upgraded on supported switches and directors.

Customers requiring upgrading assistance from existing versions of IBM Network Advisor software should contact the service organizations from which they are currently receiving support.

Packaging

IBM Network Advisor V12.4 is orderable using the AAS ordering system. IBM will ship a package which contains a product license with instructions for download and activation of the product.

Description	Orderable Feature code
Media Kit for IBM Network Advisor V12.4 Enterprise Edition	6216
Media Kit for IBM Network Advisor V12.4 Pro Plus Edition	6218
Media Kit for IBM Network Advisor V12.4 Upgrade from Pro Plus	6217

Ordering information

IBM Network Advisor V12.4

Program name: IBM Network Advisor V12.4

Program number: 5639-NAT

Base IBM Network Advisor V12.4 one-time charge with one year Software Maintenance Specify quantity of Base IBM Network Advisor feature equal to the number of installs.

Feature description	Feature number
IBM Network Advisor Enterprise Edition Base one-time charge with one year Software Maintenance	E5MK
IBM Network Advisor Pro Plus Edition Base one-time charge with one year Software Maintenance	E5ML
Upgrade from IBM Network Advisor Pro Plus with 1 Yr Software Maintenance	E5MM

Feature description	No charge feature number
Media Kit for IBM Network Advisor V12.4 Enterprise Edition	6216
Media Kit for IBM Network Advisor V12.4 Pro Plus Edition	6218
Media Kit for IBM Network Advisor V12.4 Upgrade from Pro Plus	6217

This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support. All Software Maintenance features announced for IBM Network Advisor V12.4 apply and should be ordered with V12.4.

Extending coverage for a total of three years from the date of acquisition may be elected. Order the program number, feature number, and quantity to extend coverage for your software licenses. If maintenance has expired, specify the after license feature number.

IBM Network Advisor V12.4

Software license includes 1 year Software Maintenance

5639-NA2 Maintenance no charge 1 year registration + 1 year renewal

Feature description	Feature number
IBM Network Advisor Enterprise Edition V12.4 1 Yr Registration Per Install SW Maintenance No Charge Registration	E3UQ
IBM Network Advisor Enterprise Edition V12.4 1 Yr Renewal one-time charge Per Install SW Maintenance	E3UT
IBM Network Advisor Pro Plus V12.4 1 Yr Registration Per Install SW Maintenance No Charge Registration	E3UV
IBM Network Advisor Pro Plus V12.4 1 Yr Renewal one-time charge Per Install SW Maintenance	E3VA

5639-NA3 Maintenance 1 year After License

Feature description	Feature number
IBM Network Advisor Enterprise Edition V12.4 1 Yr After License Per Install SW Maintenance	E3VC
IBM Network Advisor Pro Plus V12.4 1 Yr After License Per Install SW Maintenance	E3VE

5639-NA4 Maintenance 3 year Registration

Feature description	Feature number
IBM Network Advisor Enterprise Edition V12.4 3 Yr Registration Per Install SW Maintenance	E3VG
IBM Network Advisor Pro Plus V12.4 3 Yr Registration Per Install SW Maintenance	E3VJ

5639-NA5 Maintenance 3 year Renewal

Feature description	Feature number
IBM Network Advisor Enterprise Edition V12.4 3 Yr Renewal Per Install SW Maintenance	E3VL
IBM Network Advisor Pro Plus V12.4 3 Yr Renewal Per Install SW Maintenance	E3VN

5639-NA6 Maintenance 3 year After License

Feature description	Feature number
IBM Network Advisor Enterprise Edition V12.4 3 Yr After License Per Install SW Maintenance	E3VQ
IBM Network Advisor Pro Plus V12.4 3 Yr After License Per Install SW Maintenance	E3VT

Software Maintenance AAS feature information for IBM Network Advisor V12 is unchanged by this announcement. The terms and conditions for IBM Network Advisor V12 as previously announced in AP13-0162, dated May 14, 2013, remain unchanged.

Charge metric

Program name	PID number	Charge metric
IBM Network Advisor	5639-NAT	Per install

Install

Install is a unit of measure by which the program can be licensed. An install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each install of the program.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage(R) Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Subscription and Support (also referred to as Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to

as Software Maintenance) can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

License Information number

GI13-1835-011

The program's License Information will be available for review on the IBM Software License Agreement website

http://www.ibm.com/software/sla/sladb.nsf

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

http://www.ibm.com/support/handbook

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Volume orders (IVO)

Yes. Contact your IBM representative.

Passport Advantage applies

No

Usage restriction

Yes

This license is associated with the customer and the customer shall not assign, transfer, or sublicense this license without Brocade's prior written approval which Brocade will not unreasonably withhold.

For additional information, refer to the License Information document that is available on the IBM Software License Agreement website

http://www.ibm.com/software/sla/sladb.nsf

Software Subscription and Support applies

Yes. All distributed software licenses include Software Subscription and Support (also referred to as Software Maintenance) for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage for a total of three years from date of acquisition may be elected.

While your Software Subscription and Support (Software Maintenance) is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult your IBM Software Support Handbook at

http://www.ibm.com/support/handbook

Software Subscription and Support (Software Maintenance) does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

15% to qualified educational institution customers.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

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For more financing information, visit

http://www.ibm.com/financing

AP distribution

Country/Region	Announced
AP IOT	
ASEAN *	Yes
India/South Asia **	Yes
Australia	Yes
Hong Kong	Yes
Macao	Yes
New Zealand	Yes
People's Republic of China	Yes
South Korea	Yes
Taiwan	Yes
Japan IOT	
Japan	Yes

* Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Philippines, Singapore, Thailand, Timor-Leste, and Vietnam

** Bangladesh, Bhutan, India, Maldives, Nepal, and Sri Lanka

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